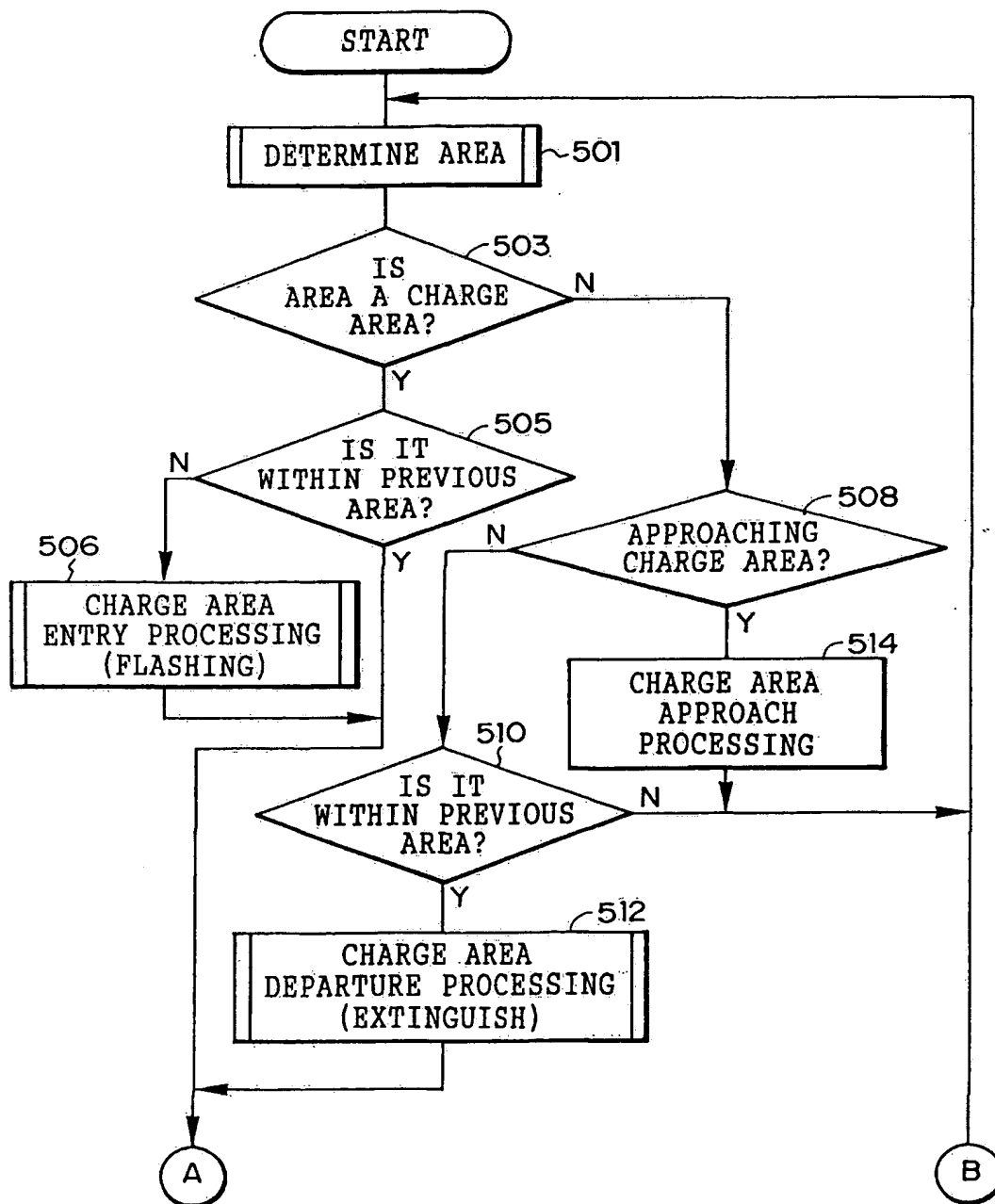




Figure 21 A

DEVICE MOUNTED IN VEHICLE PROCESSING FLOW



all approved
SMD
3/17/03



Figure 21 B

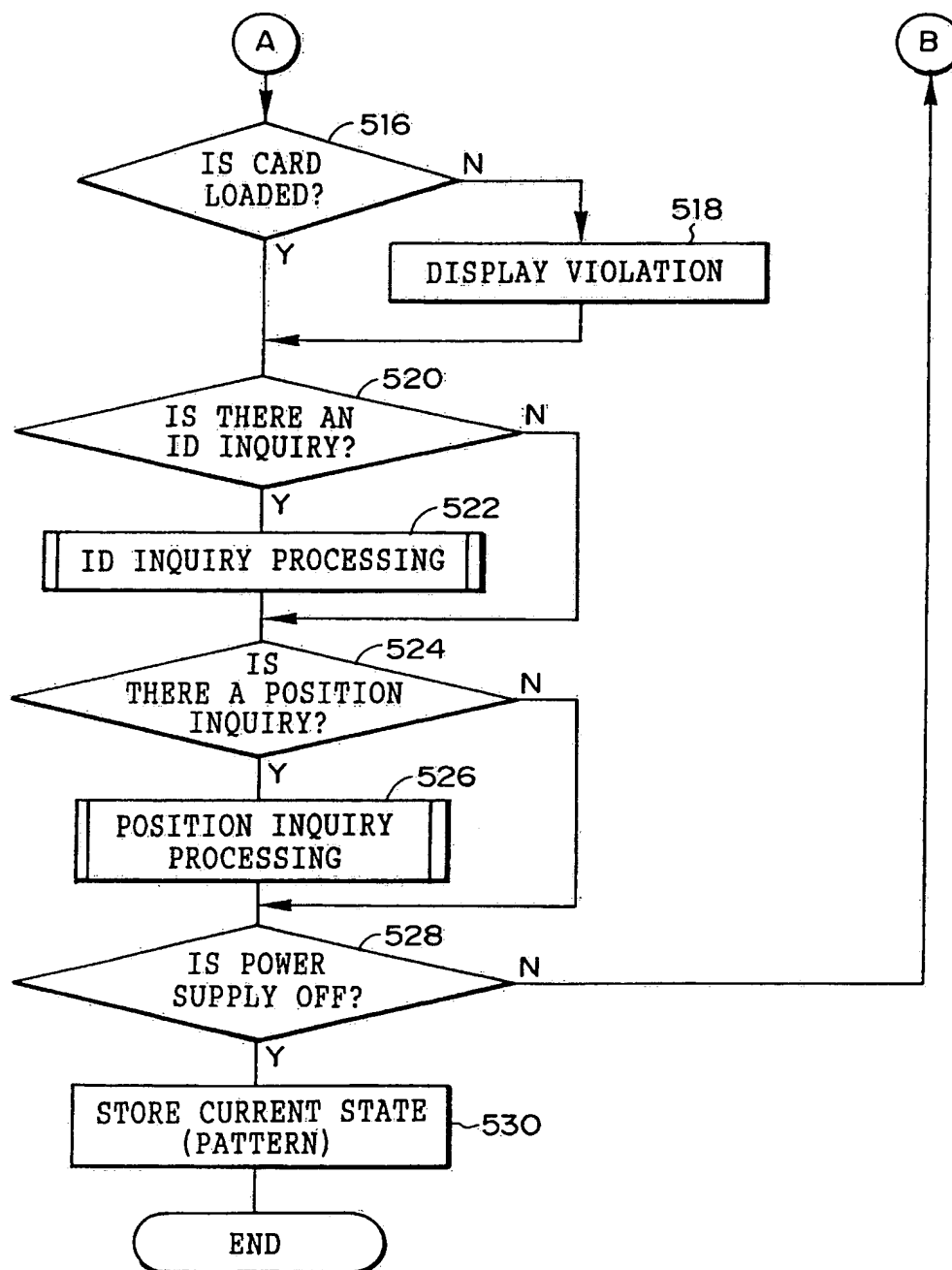




Figure 43 A

DEVICE MOUNTED IN VEHICLE PROCESSING FLOW

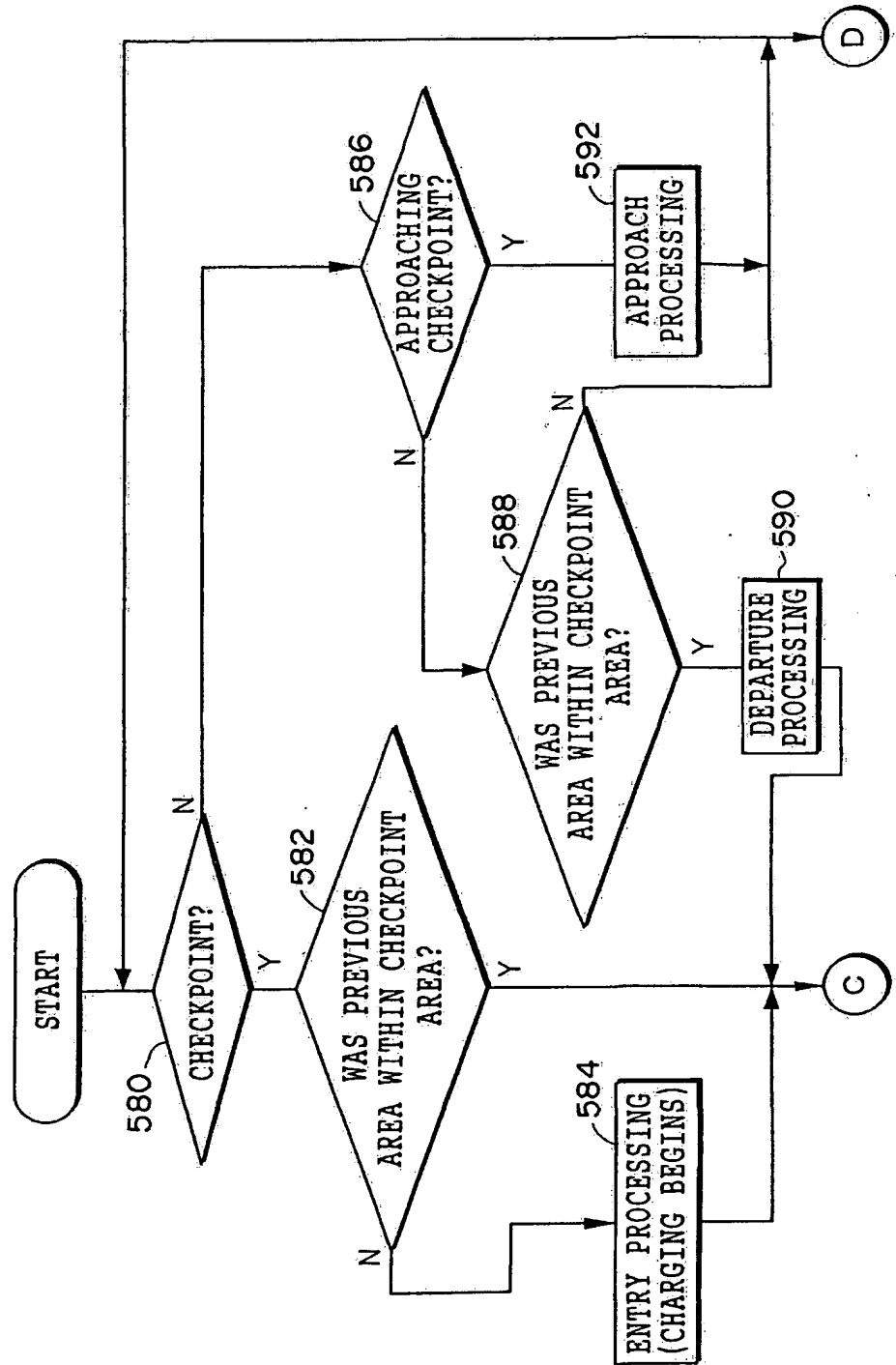




Figure 43 B

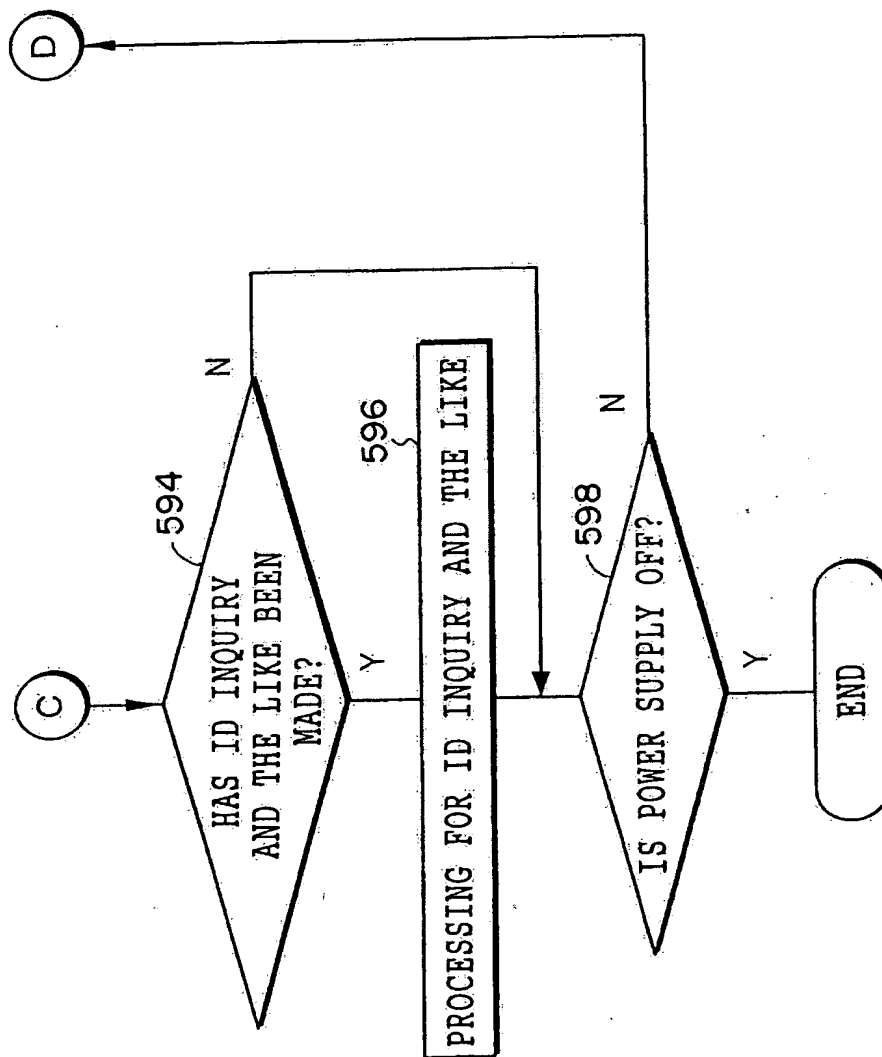




Figure 55 A

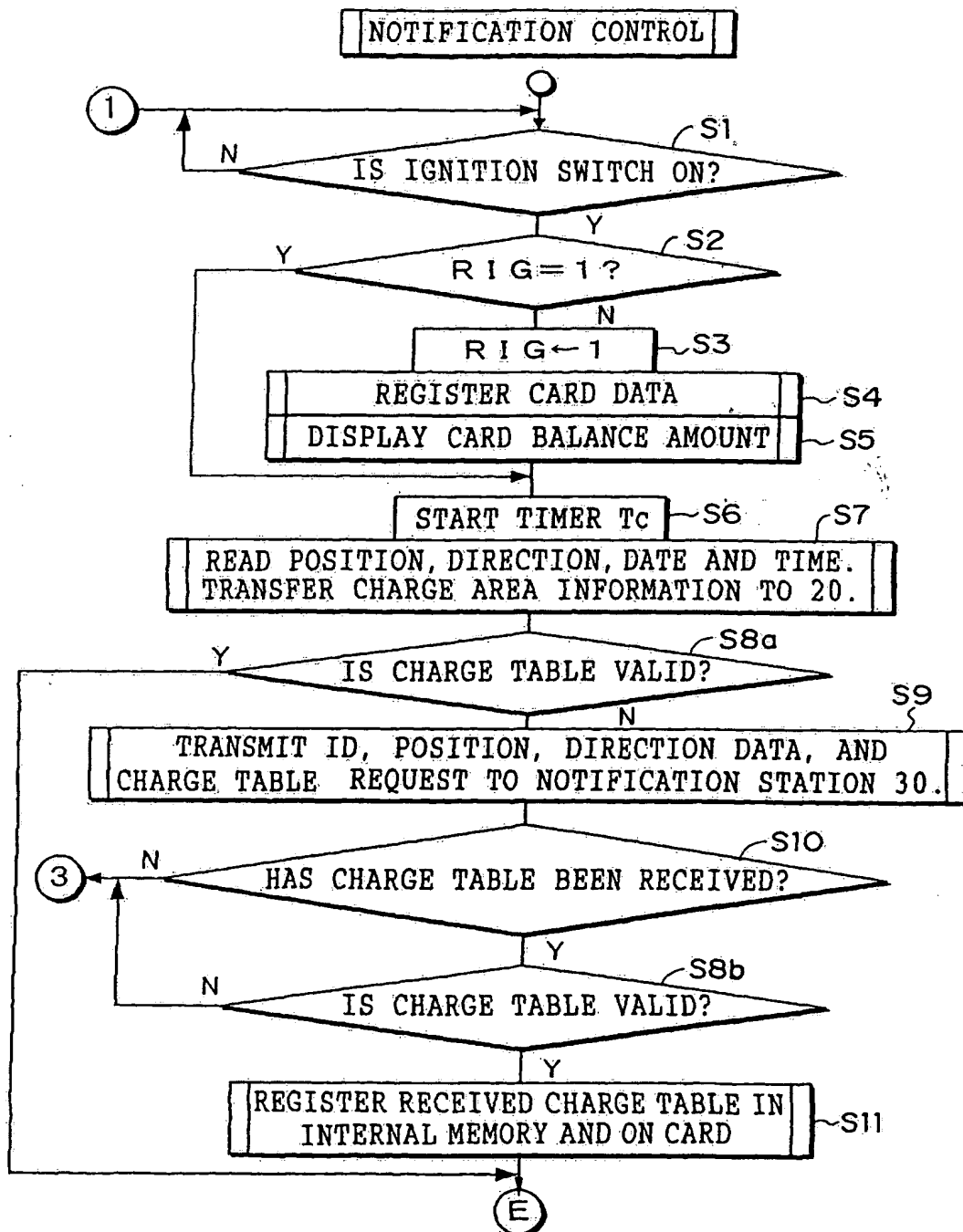




Figure 55 B

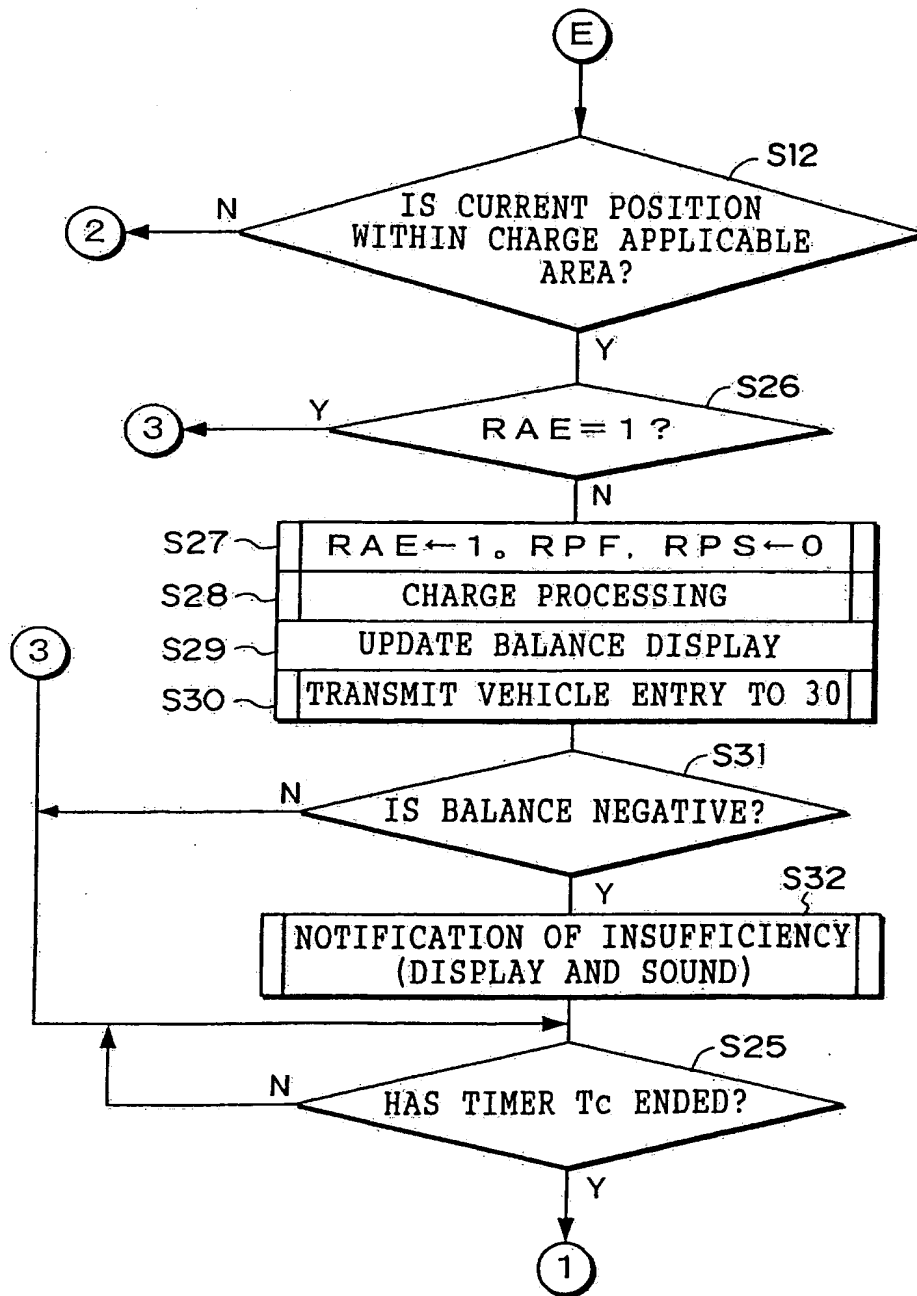




Figure 56 A

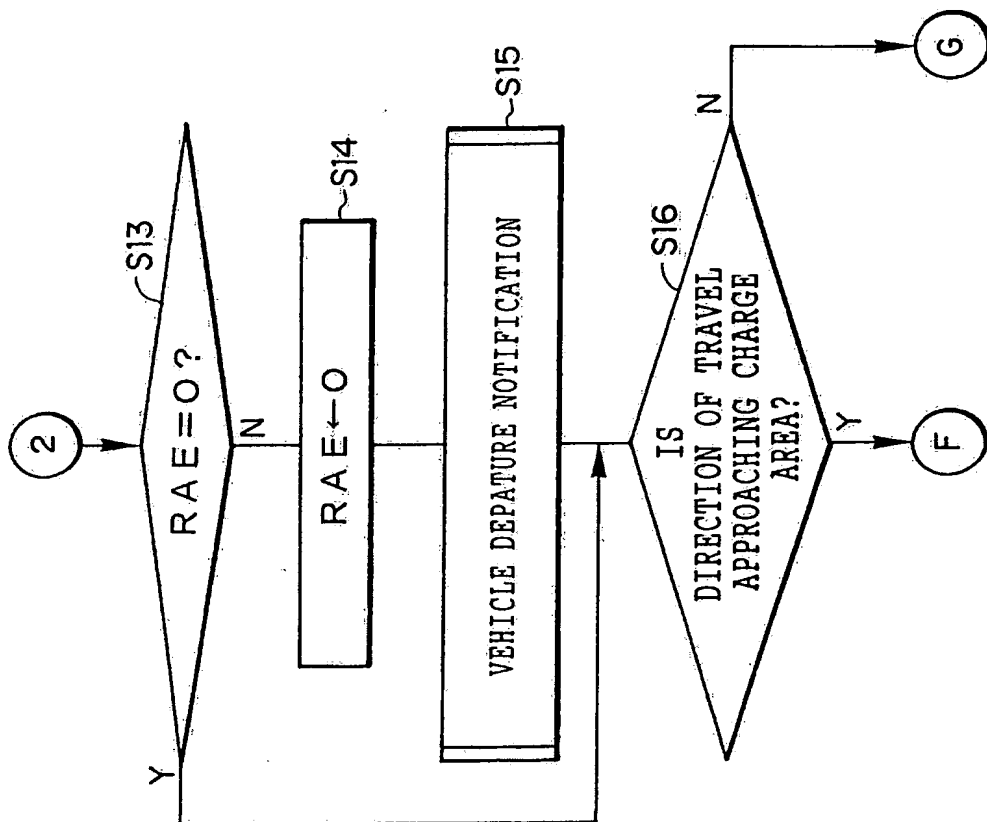




Figure 56 B

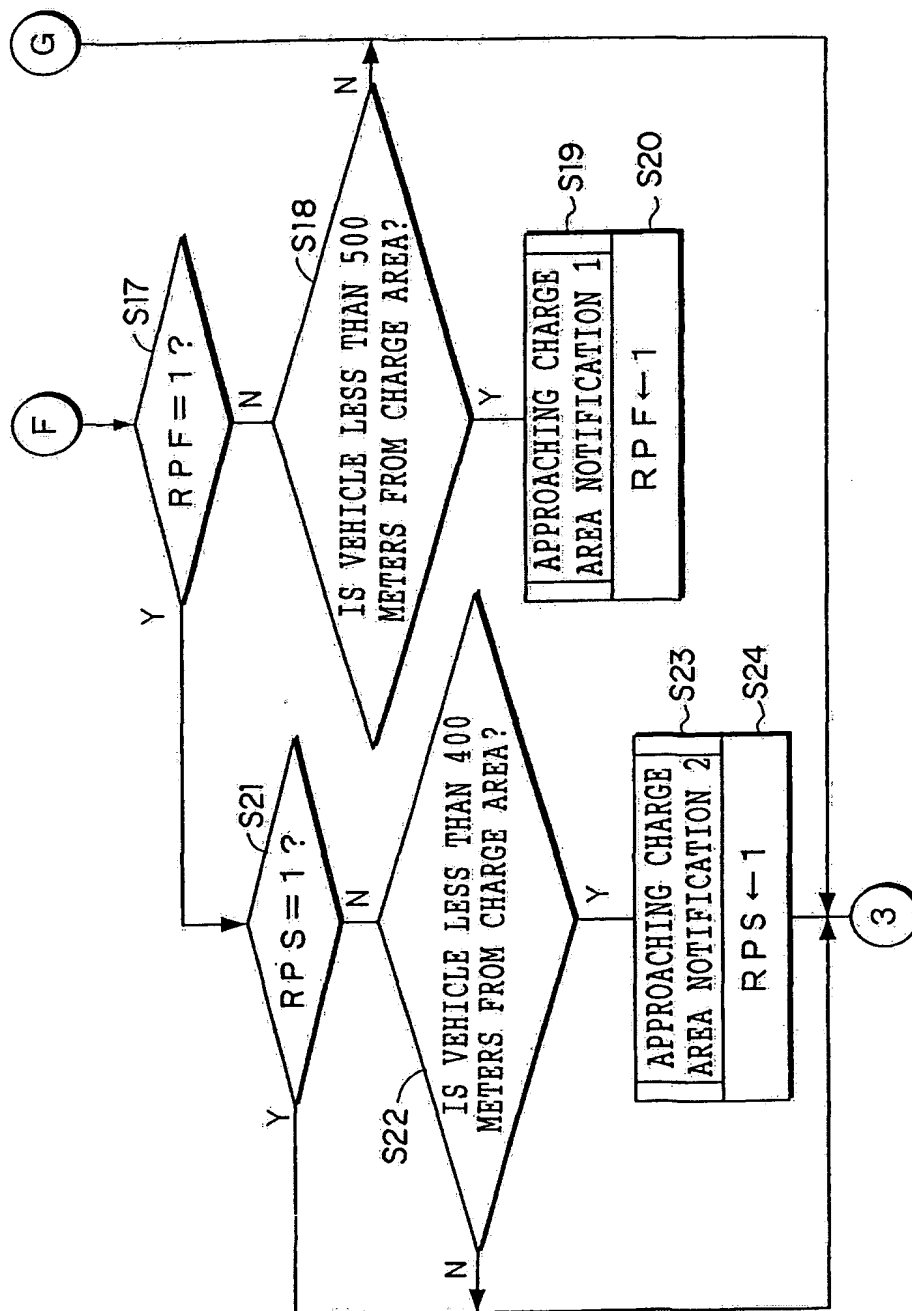




Figure 57 A

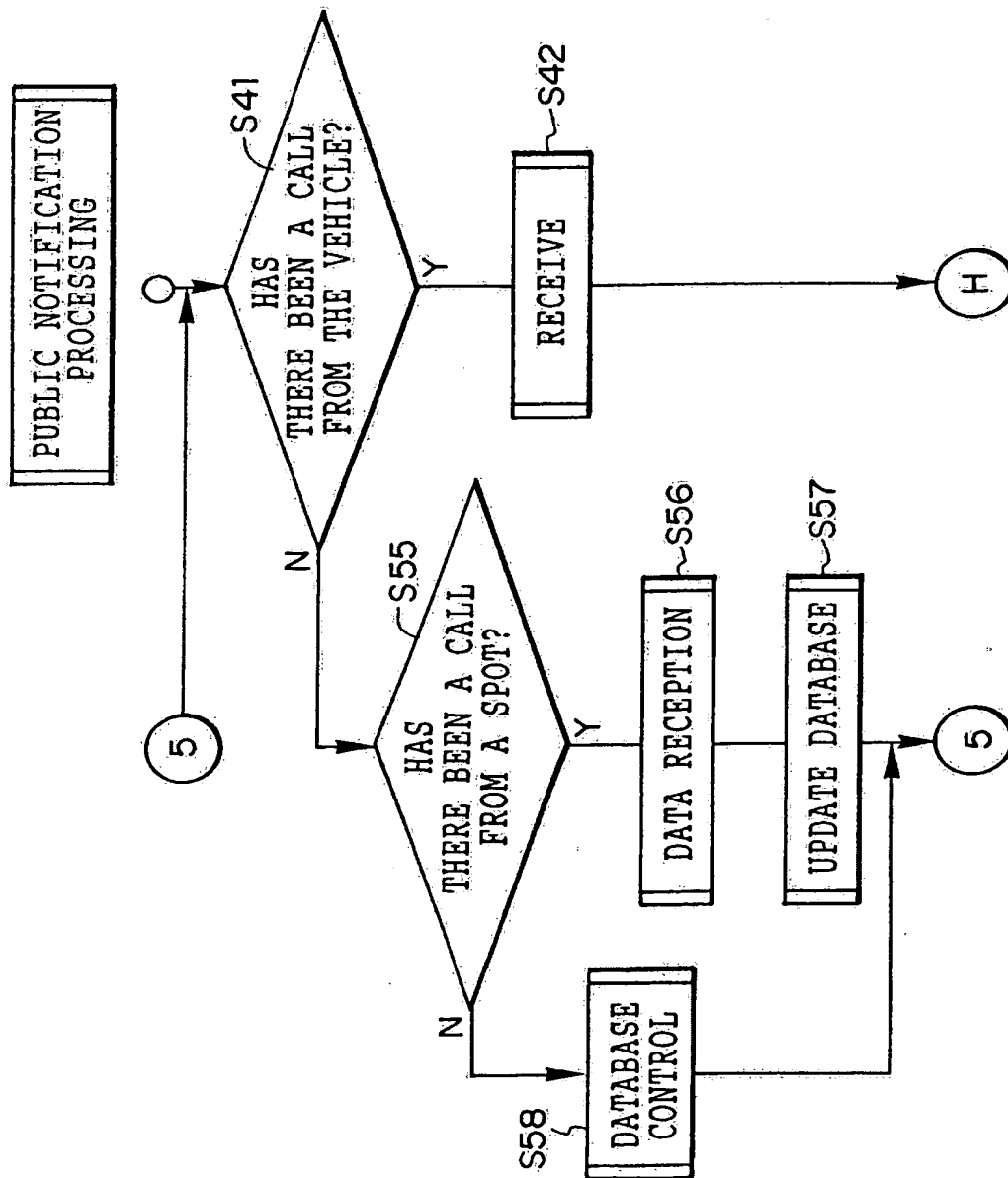




Figure 57 B

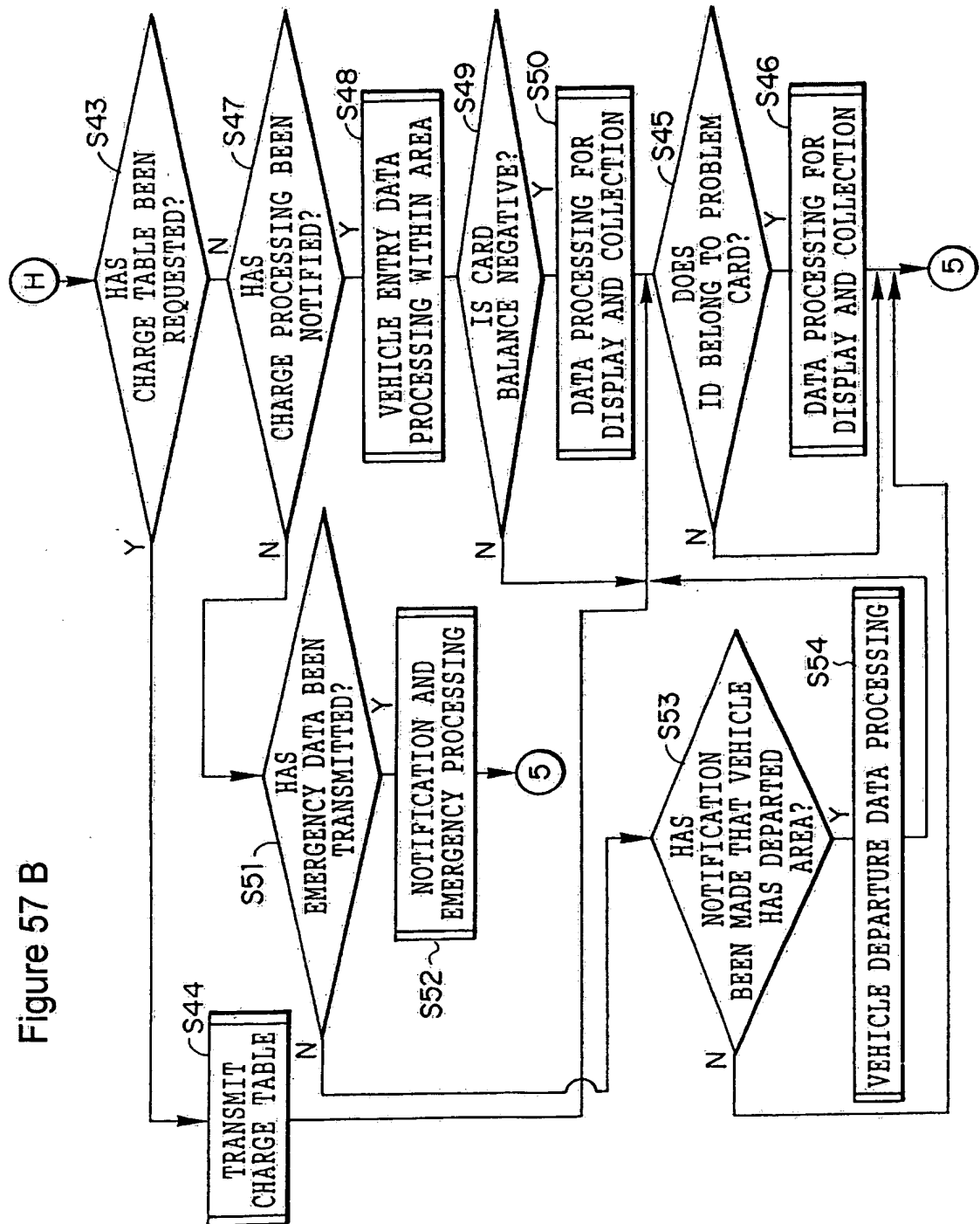


Figure 60 A

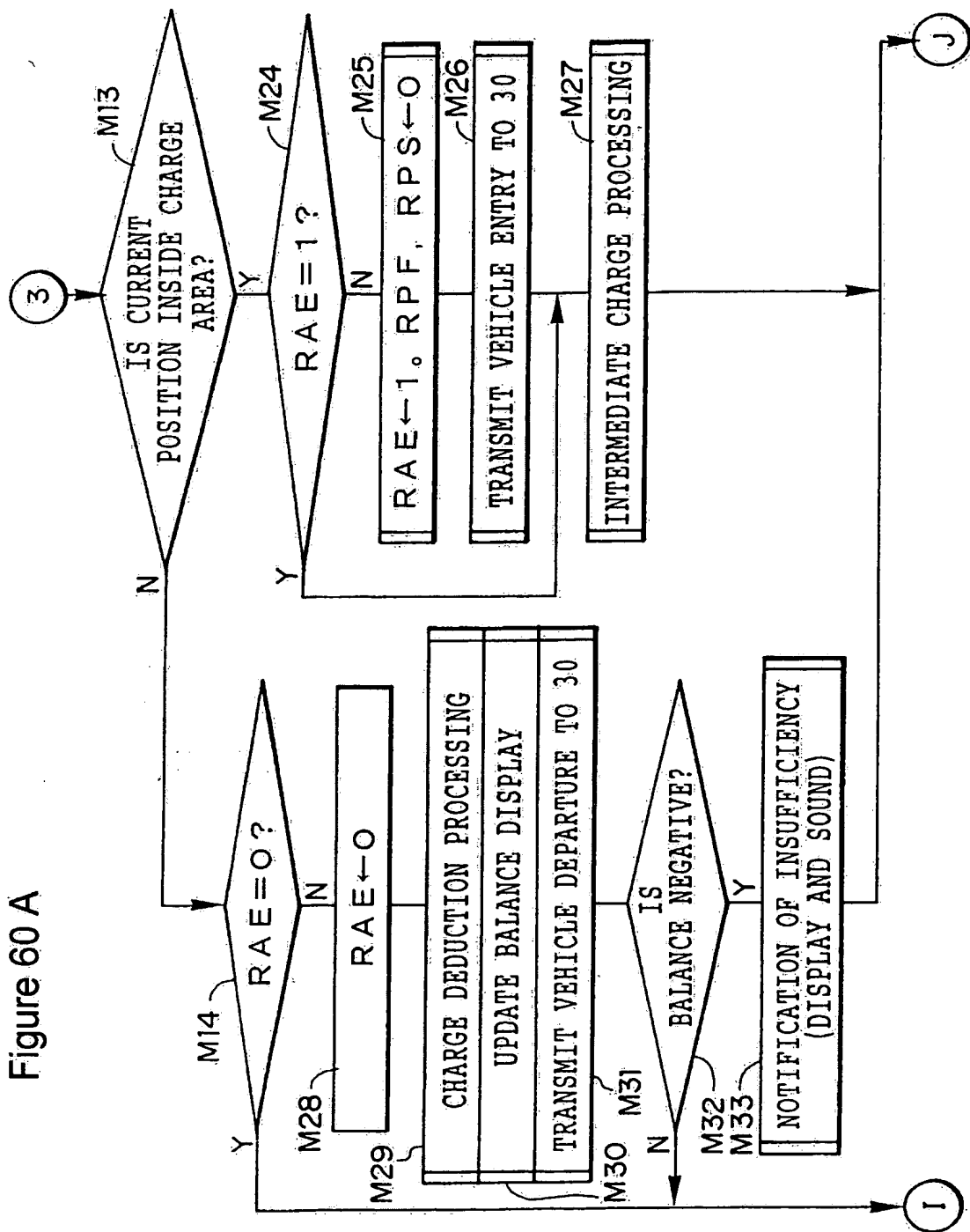




Figure 60 B

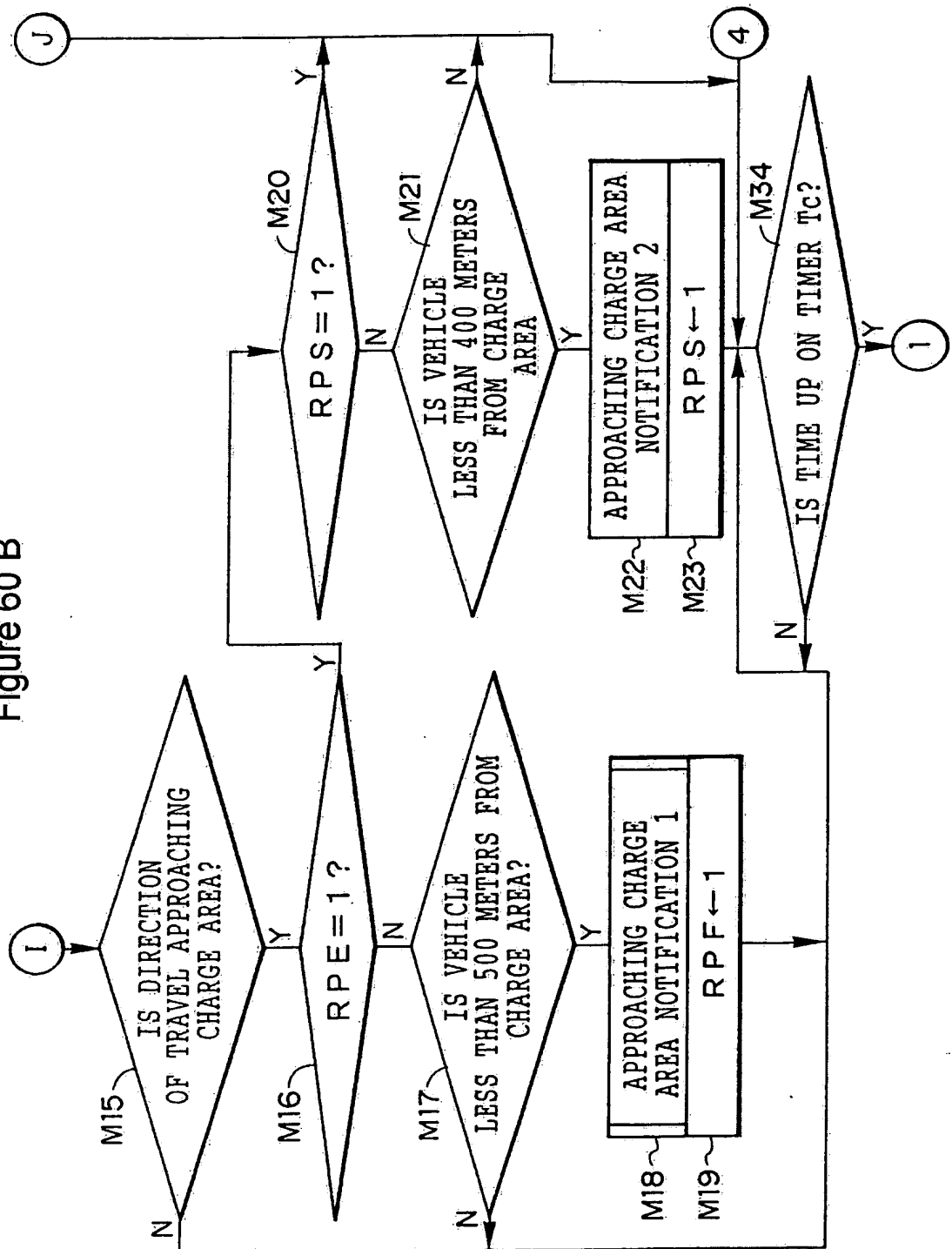




Figure 62 A

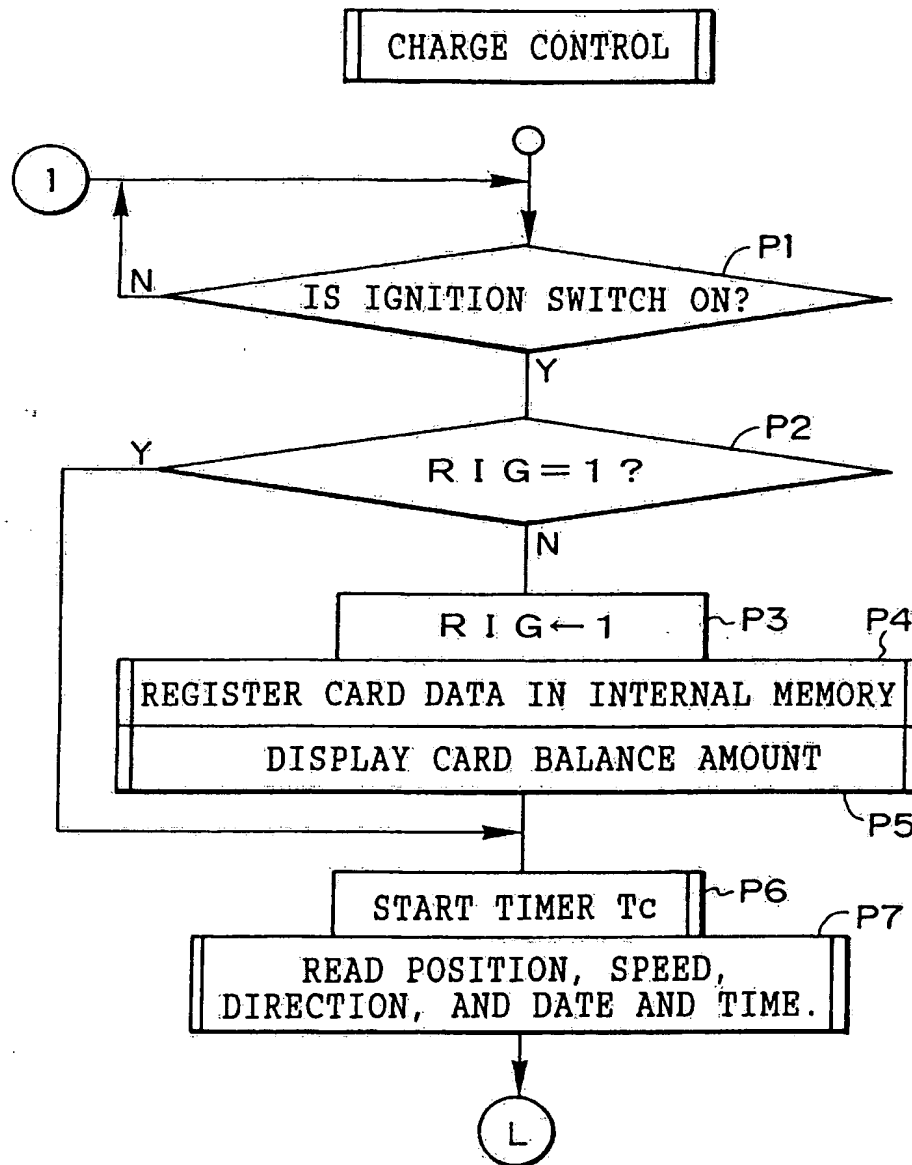




Figure 62 B

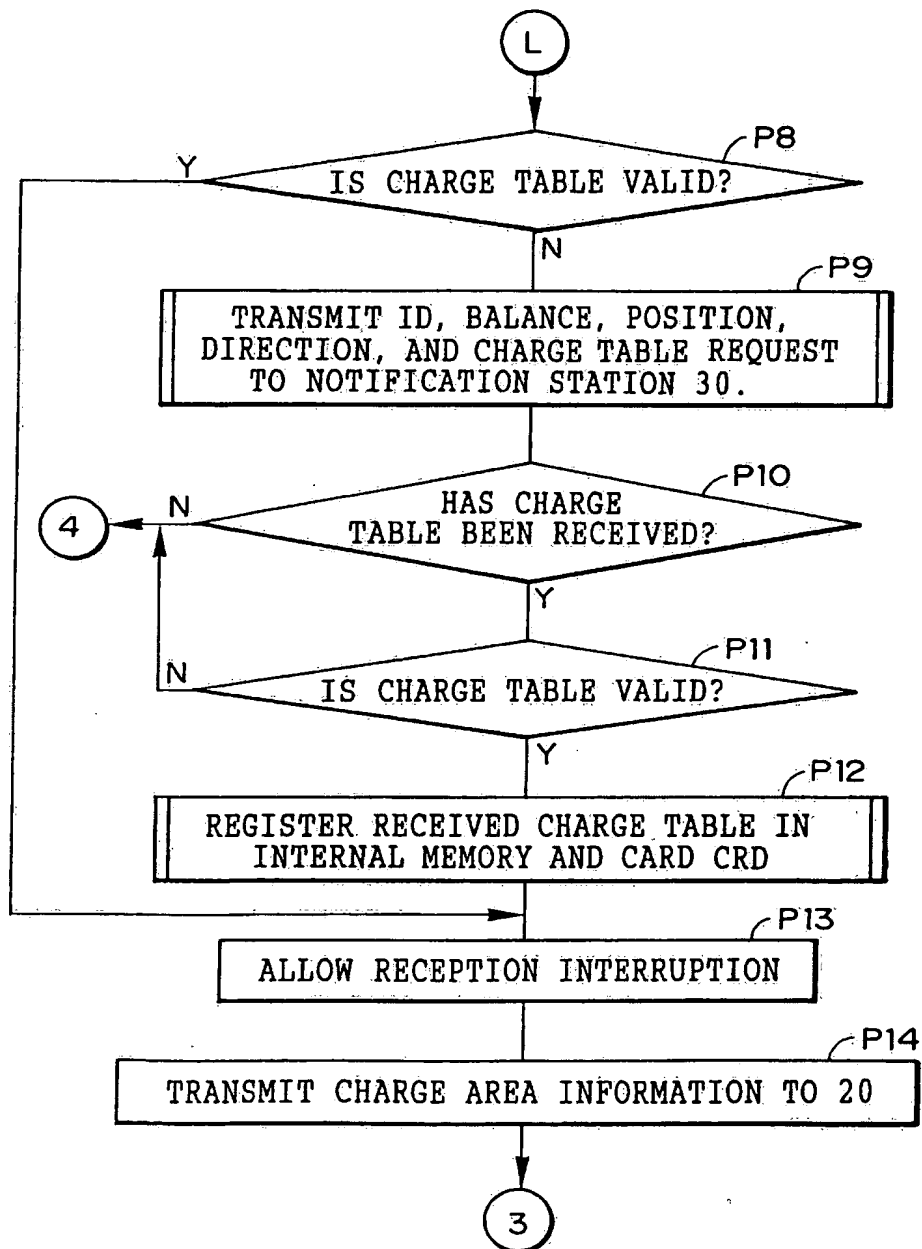
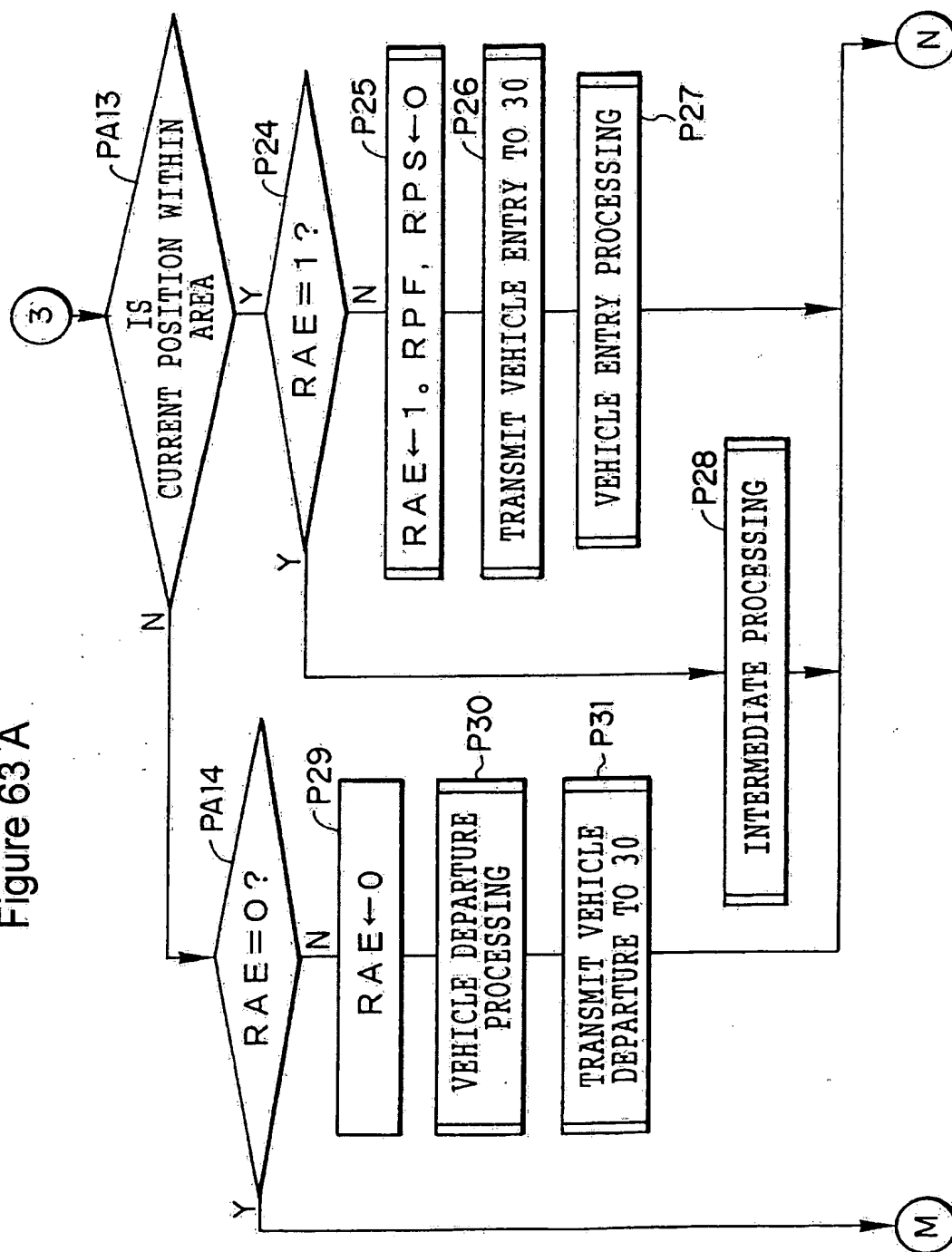




Figure 63 A



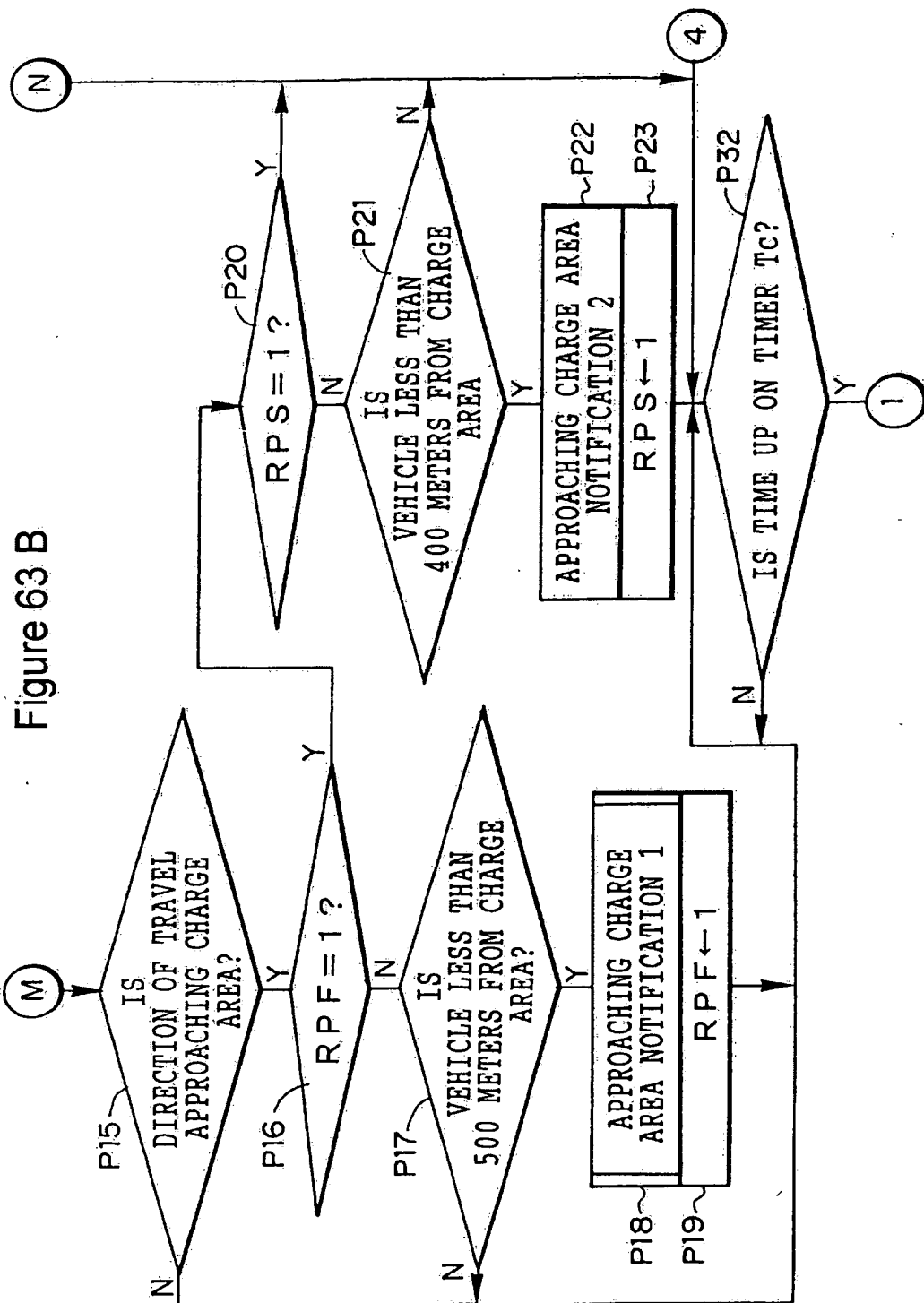
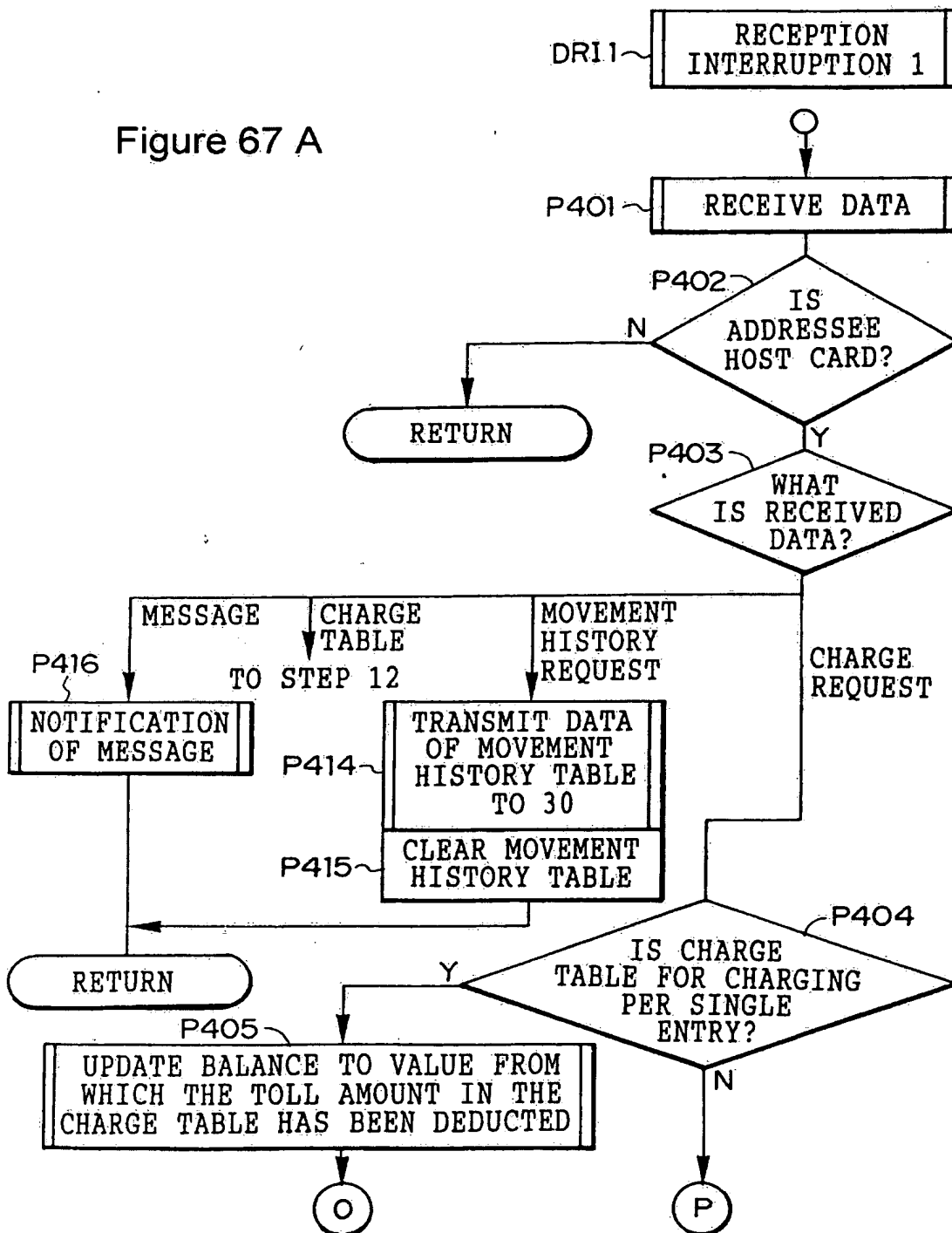




Figure 67 A



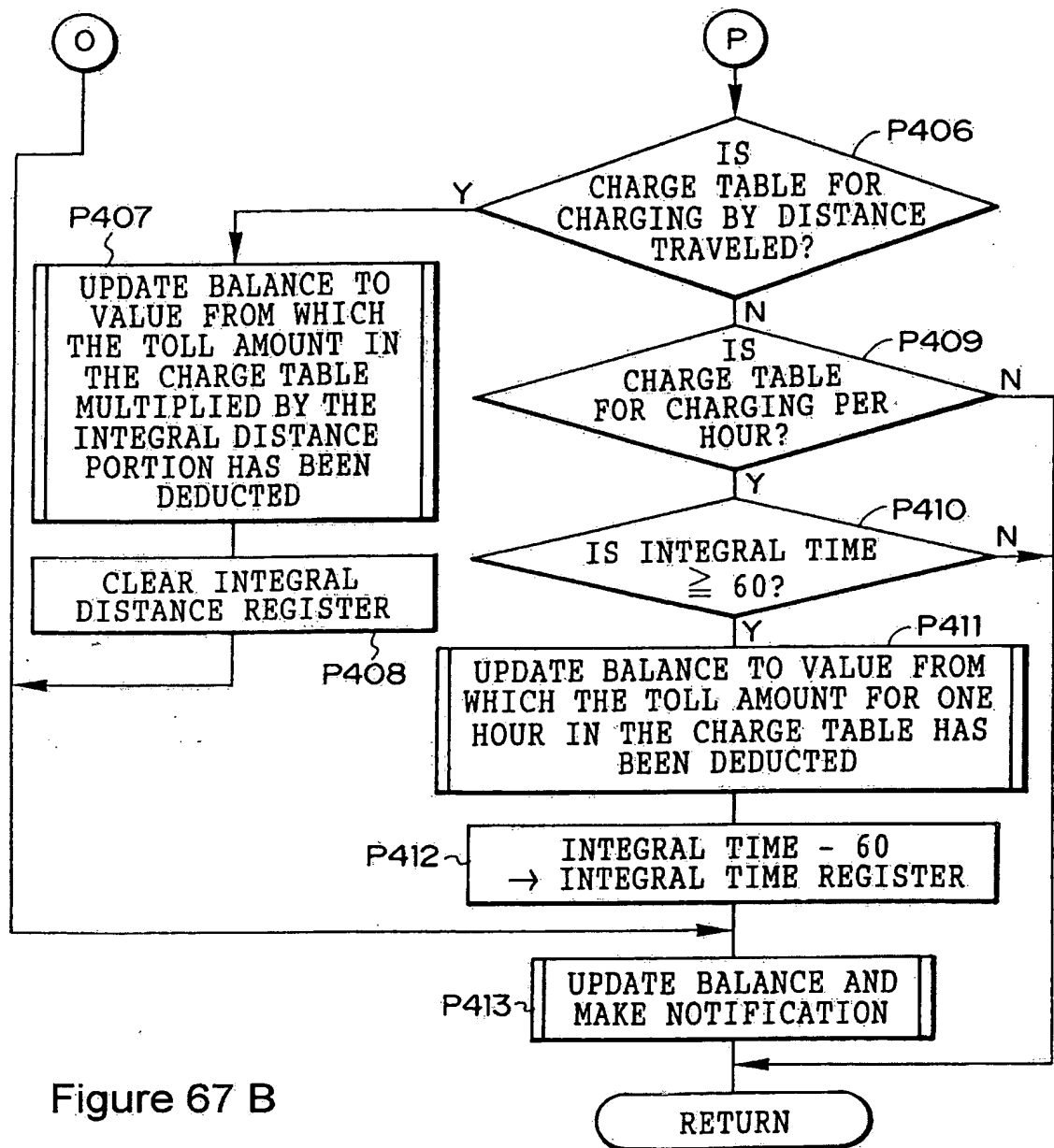


Figure 67 B

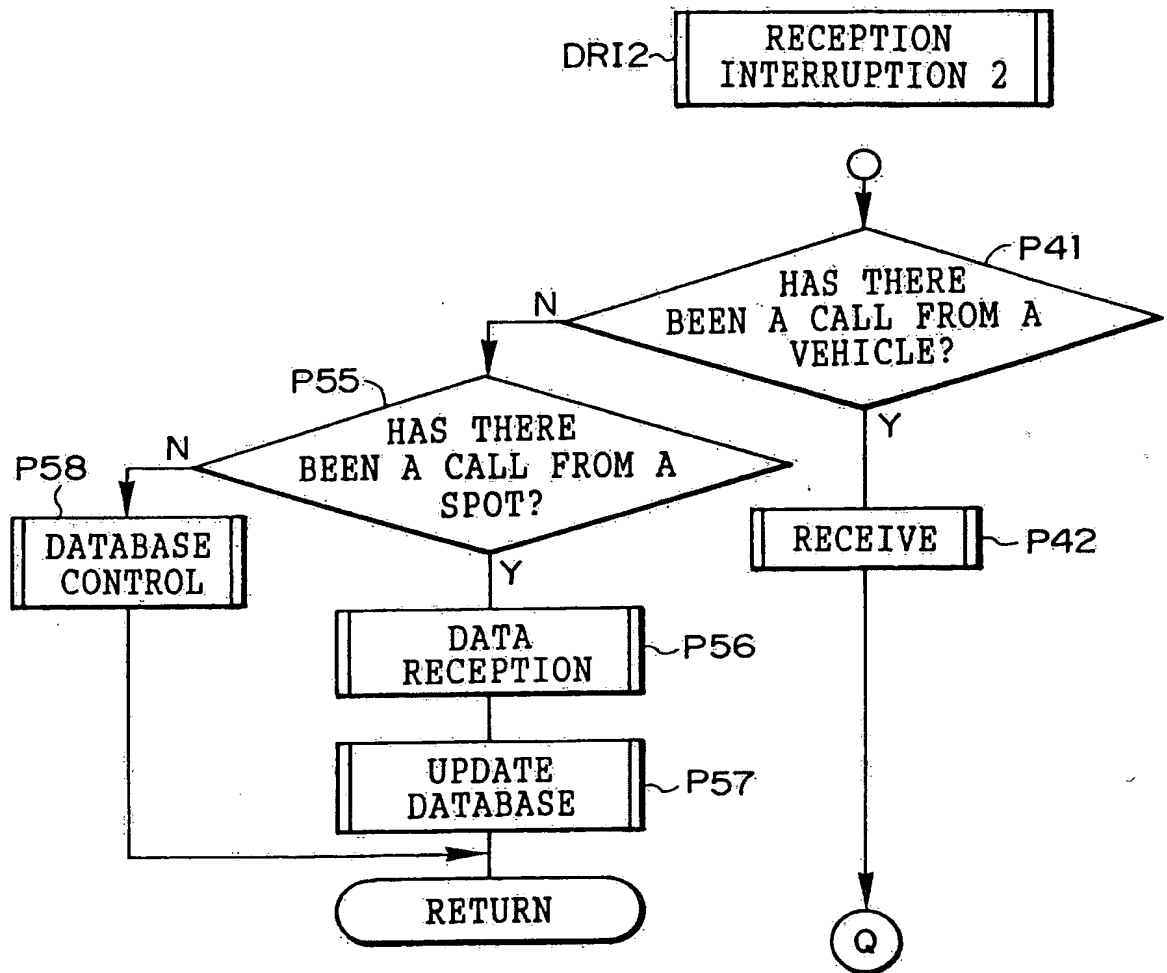
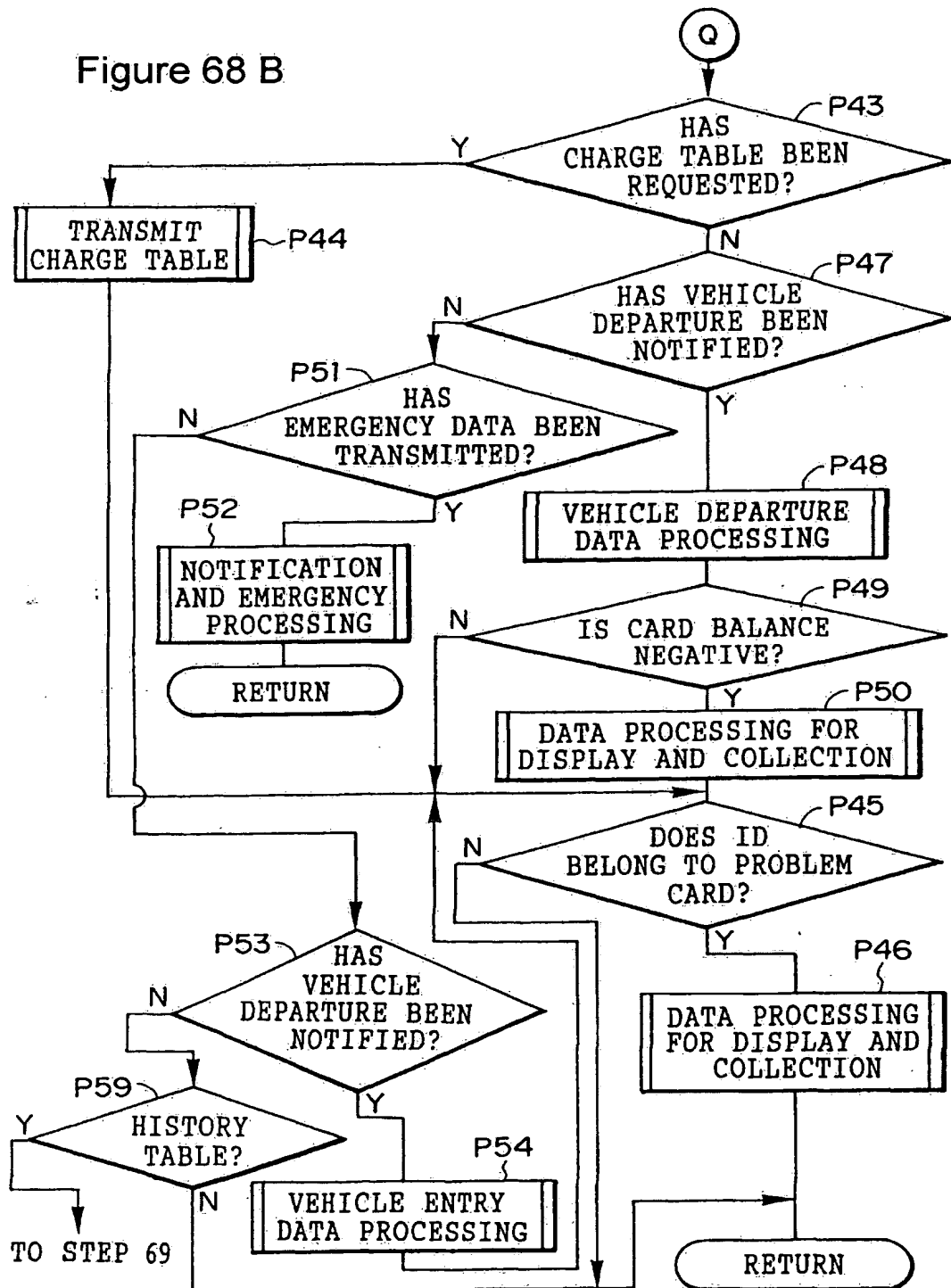


Figure 68 A



Figure 68 B



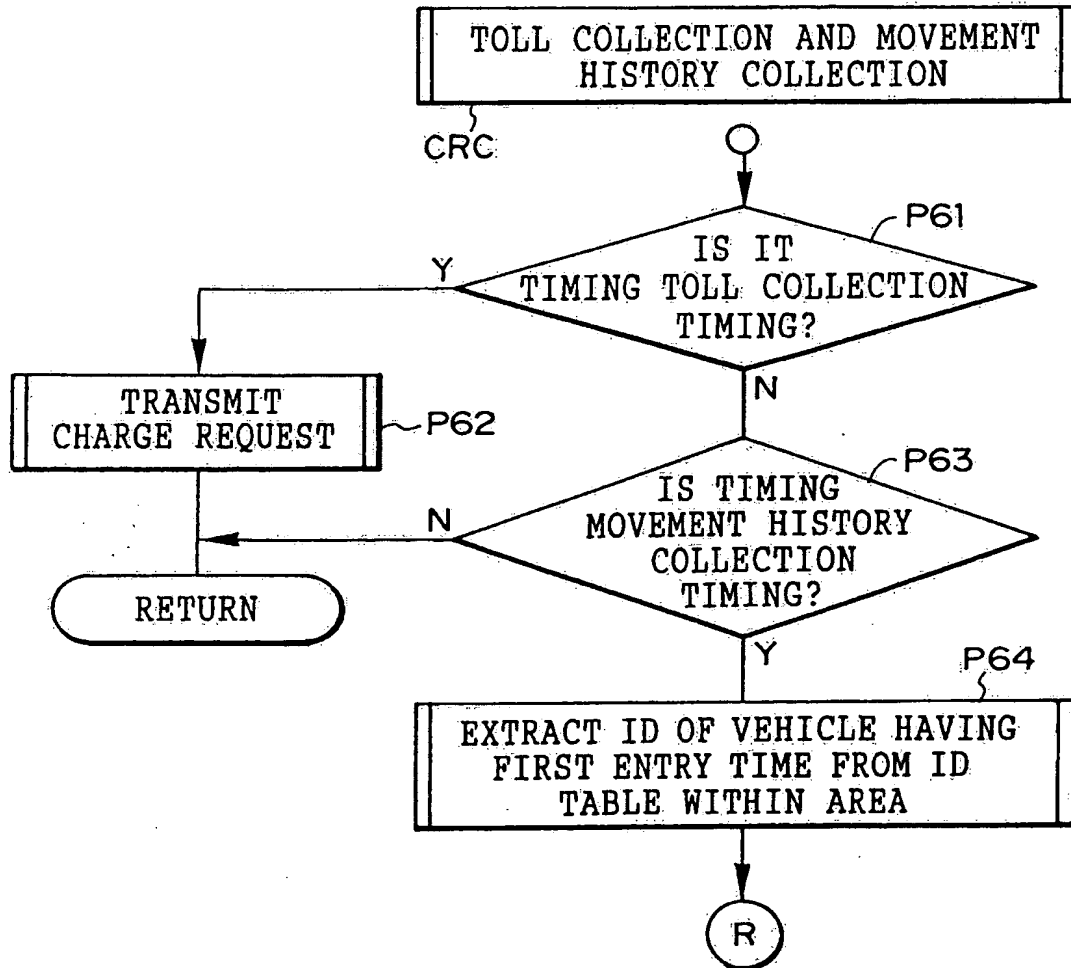


Figure 69 A

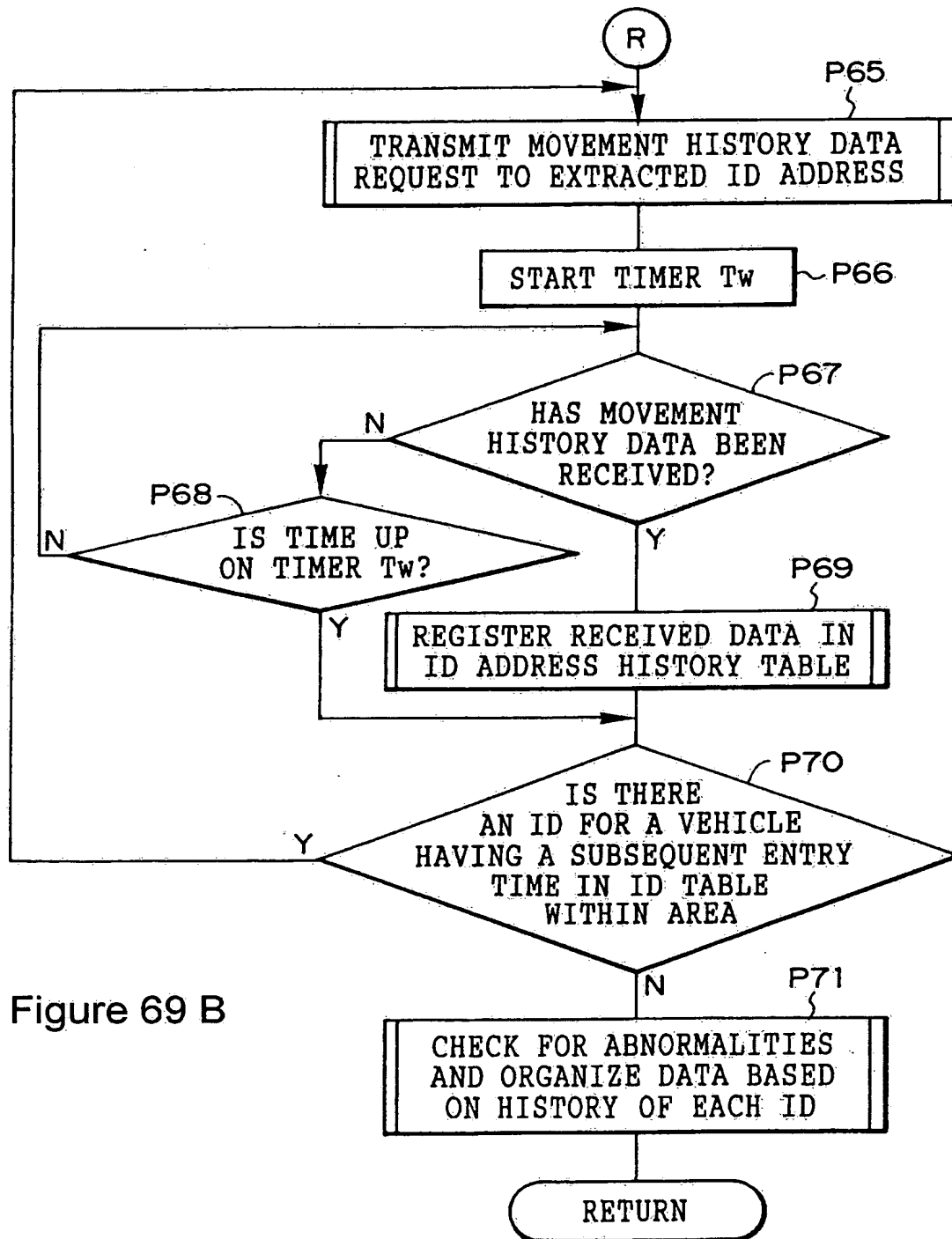


Figure 69 B

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APPENDIX C

*new drawings
(all approved)*

Figure 70

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Time t						Latitude and Longitude P (t)		Area A (t)	Charge
Year	Month	Date	Hour	Minute	Longitude	Latitude			
1997	11	05	08	13	E135-30-25	N35-20-13		G	*
1997	11	05	08	14	E135-30-49	N35-19-58		G	*
1997	11	05	08	15	E135-30-55	N35-19-32		F	*
1997	11	05	08	16	E135-31-01	N35-19-25		F	
...	
1997	11	05	11	24	E135-39-25	N35-15-18		B	
1997	11	05	11	25	E135-39-50	N35-15-25		B	
...	



Figure 71

Time t					Latitude and Longitude P (t)		Area A (t)	Zone	Charge
Year	Month	Date	Hour	Minute	Longitude	Latitude			
1997	11	05	08	13	E135-30-25	N35-20-13	G		*
1997	11	05	08	14	E135-30-49	N35-19-58	G		*
1997	11	05	08	15	E135-30-55	N35-19-32	F	L1	*
1997	11	05	08	16	E135-31-01	N35-19-25	F	L1	
...		
1997	11	05	11	24	E135-39-25	N35-15-18	B	Reserv e	
1997	11	05	11	25	E135-39-50	N35-15-25	B	Reserv e	
...		



Figure 72

Position	Display Panel IC card		Observation Lamp IC card	
	Not loaded	Loaded	Not loaded	Loaded
STP		Balance ¥000 (Charge area)	All flashing	All on
PS1		(Approaching charge area)	All flashing	Lamp corresponding to vehicle classification flashes for predetermined time
PS2		(Entered charge area)	All flashing	Lamp corresponding to vehicle classification flashes for predetermined time
PS3		Charge amount: ¥00/entry	All flashing	Lamp corresponding to vehicle classification turned on or flashing in pattern
PS4		Charge amount: ¥00/minute		
PS5		Outside charge area	All flashing	<ul style="list-style-type: none"> • Charging begins normally (lamp corresponding to vehicle classification flashes for predetermined time) • Charging ends normally (all off) • Balance insufficient (all flashing until new card is loaded)
EDP				



Figure 73

Time t						Latitude and Longitude P (t)		Area A (t)	Charge
Year	Month	Date	Hour	Minute	Longitude	Latitude			
1997	11	05	08	13	E135-30-25	N35-20-13	G	*	
1997	11	05	08	14	E135-30-49	N35-19-58	G	*	
1997	11	05	08	15	E135-30-55	N35-19-32	F	*	
1997	11	05	08	16	E135-31-01	N35-19-25	F		
...	
1997	11	05	11	24	E135-39-25	N35-15-18	B		
1997	11	05	11	25	E135-39-50	N35-15-25	B		
...	



Figure 74

Item of information	Content of information		
Charge Area Information	[N350000, E1360000] (First point) [N345900, E1360100] (Second point)		
Toll information /entry	Heavy vehicle	Medium vehicle	Light vehicle
Time spot: 7:00 – 9:00	¥500	¥300	¥200
Time spot: 17:00 – 19:00	¥500	¥300	¥200
Time spot: other	¥400	¥200	¥100
Table valid period	10 – 11 October, 1997		
Table valid area information	... (First point)	... (Second point)	



Figure 75

Information Item	Information Content						
Charge area information	[N350000, E1360000] (First point)			[N345900, E1360100] (Second point)			
Toll information /1 hour	Heavy vehicle		Medium vehicle		Light vehicle		
	First hour	After first hour	First hour	After first hour	First hour	After first hour	
	Time spot: 7:00 – 9:00	¥500	¥450	¥300	¥250	¥200	¥150
	Time spot: 17:00 – 19:00	¥500	¥450	¥300	¥250	¥200	¥150
	Time spot: other	¥400	¥350	¥200	¥150	¥100	¥50
Table valid period	10 – 11 October 1997						
Table valid area information	... (First point) ... (Second point)						



Figure 76

Information Item	Information Content					
Charge area information	[N350000, E1360000] (First point)			[N345900, E1360100] (Second point)		
Toll information /1 hour	Heavy vehicle		Medium vehicle		Light vehicle	
	First kilometer	After first kilometer	First kilometer	After first kilometer	First kilometer	After first kilometer
Time spot: 7:00 – 9:00	¥500	¥450	¥300	¥250	¥200	¥150
Time spot: 17:00 – 19:00	¥500	¥450	¥300	¥250	¥200	¥150
Time spot: other	¥400	¥350	¥200	¥150	¥100	¥50
Table valid period	10 – 11 October 1997					
Table valid area information	... (First point) ... (Second point)					



Figure 77

Item of information	Content of information		
Charge Area Information	[N350000, E1360000] (First point) [N345900, E1360100] (Second point)		
Toll information /entry	Heavy vehicle	Medium vehicle	Light vehicle
Time spot: 7:00 – 9:00	¥500	¥300	¥200
Time spot: 17:00 – 19:00	¥500	¥300	¥200
Time spot: other	¥400	¥200	¥100
Table valid period	10 – 11 October, 1997		
Table valid area information	... (First point)	... (Second point)	



Figure 78

Information Item		Information Content					
Charge area information		[N350000, E1360000] (First point)		[N345900, E1360100] (Second point)			
Toll information / 1 hour	Heavy vehicle		Medium vehicle		Light vehicle		
	First hour	After first hour	First hour	After first hour	First hour	After first hour	
Time spot: 7:00 – 9:00		¥500	¥450	¥300	¥250	¥200	¥150
Time spot: 17:00 – 19:00		¥500	¥450	¥300	¥250	¥200	¥150
Time spot: other		¥400	¥350	¥200	¥150	¥100	¥50
Table valid period		10 – 11 October 1997					
Table valid area information		... (First point) ... (Second point)					



Figure 79

Information Item		Information Content					
Charge area information		[N350000, E1360000] (First point)			[N345900, E1360100] (Second point)		
Toll information /1 hour	Heavy vehicle		Medium vehicle		Light vehicle		
	First kilometer	After first kilometer	First kilometer	After first kilometer	First kilometer	After first kilometer	
	Time spot: 7:00 – 9:00	¥500	¥450	¥300	¥250	¥200	¥150
	Time spot: 17:00 – 19:00	¥500	¥450	¥300	¥250	¥200	¥150
	Time spot: other	¥400	¥350	¥200	¥150	¥100	¥50
Table valid period		10 – 11 October 1997					
Table valid area information		... (First point) ... (Second point)					



Figure 80

Charge table when charging per entry			
Item of information	Content of information		
Charge Area Information	[N350000, E1360000] (First point) [N345900, E1360100] (Second point)		
Toll information /entry	Heavy vehicle	Medium vehicle	Light vehicle
Time spot: 7:00 – 9:00	¥500	¥300	¥200
Time spot: 17:00 – 19:00	¥500	¥300	¥200
Time spot: other	¥400	¥200	¥100
Table valid period	10 – 11 October, 1997		
Table valid area information	... (First point)	... (Second point)	



Figure 81

Date and time	Balance	Position	Distance traveled	Length of stay	Card reader	Card	GPS
01/01/1998 10:10	09750	N350000, E1370000	XX	XX	Normal	Present	Normal
01/01/1998 10:11	09750	N350000, E1370001	XX	XX	Normal	Present	Normal
01/01/1998 10:12	09750	N350000, E1370002	XX	XX	Normal	Present	Normal

End of Appendix

